THE AMES Astrogram
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
AMES RESEARCH CENTER, MOFFETT FIELD
February 7, 2000
on-line at: http://ccf.arc.nasa.gov/dx/

Celebration--African American History Month

The story of African Americans is one of strength, suffering, courage, and triumph. Arriving on these shores more than 350 years ago, African Americans have been a central element of our national identity, and their long journey from the horrors of slavery and oppression through the struggle for equality and justice contributes to our national experience. By observing African American History Month each year, we not only remember the tragic errors of our past, but also celebrate the achievements of African Americans and the promise they hold for our future as one America.

Carter G. Woodson dedicated his life to researching and preserving the saga of the African-American experience. He became known as "the father of black history." Woodson--born Dec. 19, 1875, in Buckingham County--is best known for establishing what was originally called "Negro History Week" in 1926. The celebration of the achievements of African-Americans later became Black History Month.

Originally established as Negro History Week in 1926 by Dr. Carter G. Woodson, a noted African American author and scholar, this event evolved into the establishment in 1976 of February as "Black History Month." It was Dr. Woodson's hope that, through this special observance, all Americans would be reminded of their ethnic roots, and that togetherness in the United States' racial groups would develop out of mutual respect. This commemoration has increasingly been referred to as "African American History Month," although both names are currently in use.

Ames will observe African American History Month during February 2000 to recognize, promote and celebrate the achievements and contributions of African Americans to U.S. and world history. The theme for this year is "Heritage and Horizons: The African American Legacy and the Challenges of the 21st Century."

African American History Month is an invitation to increase your awareness of the many African American educators, scientists, inventors, politicians, entertainers, entrepreneurs and athletes who have shaped the growth of our nation. As we participate in the many events commemorating historically acclaimed figures, we are asked to remember the many contributions African American members of the NASA family have made to the progress of space and science. Consistent with the tradition of African American History Month, a multitude of activities and events are scheduled. Through these activities, you are encouraged to learn, to expand your awareness, and to get involved.

The Chairperson of the Lockheed-Martin Work Force Diversity team has extended an invitation to all NASA Ames employees to attend their African American History Month event. This event is a play entitled "The Right to Dream – Share The Struggle," presented by Living Voices Educational Interactive Presentations from Seattle, Washington. It is scheduled for February 22, 2000, at the Lockheed site in Bldg. 157/ECR, from 11:30 a.m. to 12:30 p.m.

A NASA interactive "chat" via the Internet is scheduled for K-12 students and the general public, with as least nine NASA African American professionals. The "chat" which begins on February 3, 2000 at 1:00 p.m., and continues throughout the month, is presented by the NASA Quest Project at web site: http://quest.nasa.gov This exchange is significant in providing role models for populations historically underrepresented in the fields of science, engineering and technology.

In addition, every Tuesday in February, the Ames Café will host African American luncheon specials. We encourage all employees to support these efforts to recognize and affirm the African American heritage.

BY ROSALIND JONES

See pages 4 & 5 for Ames 60th Anniversary dinner photographs.

Center Briefs

NASA satellite greatly improves accuracy of tropical rainfall forecasting

New research shows that adding rainfall data from NASA's Tropical Rainfall Measuring Mission (TRMM) satellite and other meteorological satellites to forecast models can more than triple the accuracy of short-term rainfall forecasts.

Lone black holes discovered adrift in the galaxy

Two international teams of astronomers using NASA's Hubble Space Telescope and ground-based telescopes in Australia and Chile have discovered the first examples of isolated stellar-mass black holes adrift among the stars in our galaxy.

Chandra resolves x-ray glow into millions of objects

While taking a giant leap toward solving one of the greatest mysteries of astronomy, NASA's Chandra X-ray Observatory also may have revealed the most distant objects ever seen in the Universe and discovered two puzzling new types of cosmic objects. Chandra has resolved most of the X-ray background, a pervasive glow of X-rays throughout the Universe, which was first discovered in the early days of space exploration.

Before now, scientists have not been able to discern the origin of the hard, or high-energy, X-ray background, because until Chandra no telescope had the technology to resolve it.

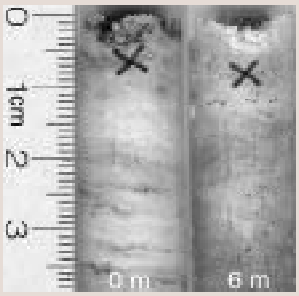
Breast cancer screening aid cleared for diagnostic use

The war against breast cancer has a new weapon, thanks to an advanced sensor developed at NASA's Jet Propulsion Laboratory (JPL). The device, called the BioScan System™, was developed by OmniCorder Technologies, Inc., Stony Brook, NY, from NASA technology originally thought to be useful for locating hot spots during fires and observing volcanoes.

Studies have determined that cancer cells exude nitric oxide. This causes changes in blood flow in tissue surrounding cancer that can be detected by the sensor, which is sensitive to temperature changes of less than .027 degree Fahrenheit (.015 degree Celsius) and has a speed of over 200 frames per second. It causes no discomfort to the patient and uses no ionizing radiation.

Ames researchers take astrobiology field trip to Death Valley

A team of Ames astrobiologists took a trip to Death Valley on December 14 -16 to conduct field research on extreme environments, using the dry, barren desert as an analog to Mars.



Cyano-bacteria samples from Badwater, Death Valley. The bacteria layer shown with the "x" is the dominant "green" bacteria. Its waste products are used by the many different types of bacteria that live in layers below. The waters of Badwater support a complex community of possibly hundreds of different types of bacteria. Their symbiotic lifestyle allows them to survive in Death Valley's extreme desert environment. The sample on the left was taken from the salt rim of a pond at Badwater and contains more "life" than the more distant sample on the right.

NASA Astrobiology Institute Director Dr. Baruch Blumberg, Mars researcher Dr. Chris McKay, Ames Associate Alessandro Airo, a biochemist from the Free University of Berlin, geologist Wanda Davis and PAO Kathleen Burton made the 12 hour junket from Ames, joining up with a team of LIFE Magazine journalists in Baker, CA. (LIFE will feature astrobiology as a cover story in its March issue and accompanied the team to Death Valley.)

The first site the team visited was the photogenic Silver Lake, a dry paleolakebed similar to several sites currently on the short list of Mars landing sites, chosen for their likelihood to contain sedimentized fossils.

Next, in a cloud of dust, the team drove their vans deep into the brown hills to two spots about six tenths of a mile apart, dubbed 'little red hill' and 'sugar hill' by McKay.

There, the researchers measured the differences in light reaching the colonies of cyano-bacteria eking out an existence under the quartz stones.

The quartz at 'little white hill' was white and easily permeated by light. However, the quartz at 'little red hill', with its red crust cover, appeared non-transparent. The researchers measured how much light the cyano-bacteria at each site received to find out if this affected their composition and metabolism.

The next stop was Badwater--minus 284 feet below sea level, the lowest point in North America. Mckay checked on a weather station he had installed at Badwater two years ago to precisely measure the temperature changes there and monitor global warming--which is much more noticeable in an extremely hot environment like Death Valley. In 1999, McKay's weather station recorded the continent's highest temperature--a toasty 53.01 C. Next, researcher Airo took samples of the rich array of diverse bacterial 'mats' at Badwater, to find out what effect their water content has on their composition.

He took the samples, cored from the salty rim of a low-lying pond, back to Ames to culture the organisms and perform DNA sequencing.

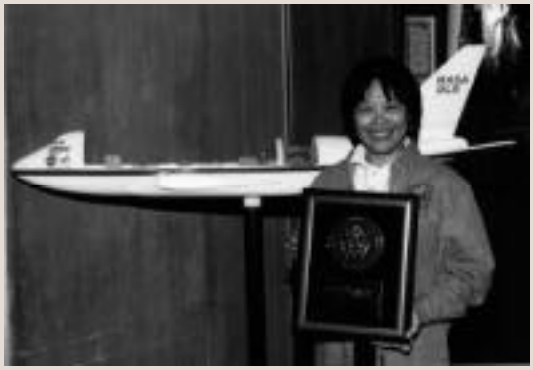
Cyano-bacteria research is important to NASA because it provides data about the evolution of early life on Earth. Cyano-bacteria are ancient organisms that dominated life on Earth for 3.2 billion years--long before multi-cellular life took hold 0.6 billion years ago.

NAI Director Dr. Baruch Blumberg; PAO Kathleen Burton; geologist Wanda Davis; Ames Associate Alessandro Airo, a biochemist from the Free University of Berlin; and Mars researcher Dr. Chris McKay on an astrobiology field trip to Death Valley.

BY KATHLEEN BURTON

NASA partnership helps to create a blue ribbon school

STELLAR graduate and current STELLAR Teacher Advisory Board Member, Cheryl Connolly, recently returned from Washington, D.C. as part of a three person delegation. She was sent by San Jose Unified along with her principal and another faculty member to accept Randol Elementary's prestigious Blue Ribbon Schools award. The ceremony held on October 28 to 29 last year, included speeches by President Clinton, Secretary of Education Richard Riley, and numerous chairmen and advisors to special committees and associations.



STELLAR graduate and current STELLAR Teacher Advisory Board Member, Cheryl Connelly holding the Blue Ribbon Schools award.

This year, 266 elementary schools were selected from a field of over 60,000 public and private schools nationwide. The number chosen represents slightly less than one half of one percent of the schools--forty-one in all, with Santa Clara County garnering five.

A school must demonstrate excellence in every aspect, and must first be accepted as a California distinguished school. Following that award, another rigorous screening and application process over the next year occurs, culminating in a nomination at the state level for a two-day site visit to evaluate effective schooling measures, such as student focus and support, school organization and culture, challenging standards and curriculum, active teaching and learning, professional community, leadership and educational vitality, and partnerships.

NASA support played a critical role in the process, sponsoring Space Family Nights with keynote speakers and materials, sending out engineers and speakers to each classroom, offering opportunities for professional staff development through STELLAR lectures and experiences, and providing the inspiration for student rocket clubs. Thanks go to participating NASA employees for providing solid educational standards and motivation for the entire Randol community - teachers, parents, and children!

For more information about the STELLAR program, visit their Web site at: http://stellar.arc.nasa.gov/stellar/ or contact the author at: scardenas@mail.arc.nasa.gov

BY SONYA CARDENAS

Safety recognition

photo by Dominic Hart

Jana Coleman receiving the centerwide safety award on behalf of Code J from Center Director Dr. Henry McDonald.

Jana Coleman, who recently received a QASAR award, was also the recipient on November 17 of a centerwide safety award on behalf of Code J, for outstanding performance in safety. Dr. Henry McDonald, Center Director, made the presentation to Coleman.

The award reflects Code J's commitment to accomplishing safety accountability metrics in training, inspections and other activities. When asked what specific safety accomplishments she was proud of, Jana replied, "Getting her directorate safety plan in first and providing Dupont Safety Training for her staff."

HPCC Computational Aerosciences workshop set

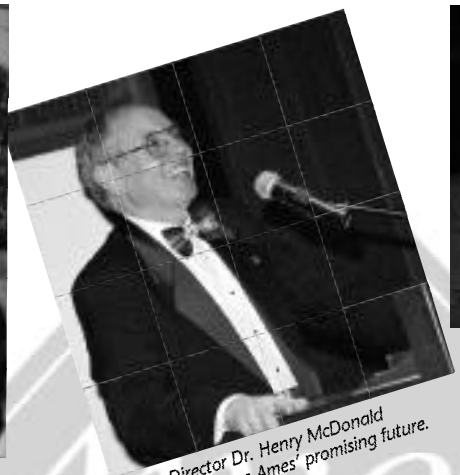
During an upcoming workshop, supercomputer experts will talk about subjects ranging from advanced computer algorithms and methods to parallel systems software, tools and techniques at the main auditorium, N201 from 8 a.m., Tues., Feb. 15, until Thurs., Feb. 17. Presentations will continue until 5 p.m. each day except Thursday when the workshop will end at 12:30 p.m. Cost is $25 for civil servants and $200 for contractors. Organizers are accepting late registrations at the door, according to workshop chairperson Catherine Schulbach of Code D.

Workshop attendees will receive a compendium of abstracts and a CD-ROM of abstracts and papers. There will be a welcome reception at the Computer Museum at Moffett, and a tour of the Hiller Aviation Museum, San Carlos.

The workshop banquet will be at the Faz Restaurant in Sunnyvale and will include a talk by Guy Kawasaki, formerly of Apple Computer and now with garage.com. More information and registration forms are available on the Internet at: www.cas.nasa.gov/CAS2000.html

60th Anniversary

Bagpiper Robert Katz leads the crowd Pied-Piper style toward the after party.



Center Director Dr. Henry McDonald prognosticates on Ames' promising future.

Bill Lockyer, California State Attorney General (left), speaks with Hans Mark.

Chief Financial Officer Lewis Braxton III dances with wife Venoncia on the dance floor.

Executive Assistant Jack Boyd (left) chats with former Center Director Clarence "Sy" Syvertson and his wife JoAnne.

Doris Martin and former Center Director Dale Compton (center) share a moment with NASA Headquarters' Lewis Peach, Jr.

Hans Mark (right) and Charles Bauschlicher, Jr. (left), admire the Robert Semans portrait commemorating Bauschlicher's recognition as an Ames Fellow. Heinz Ertzberger was similarly honored.

Photos by Dominic Hart

Approximately 370 employees and guests dined on a three-course meal and observed Ames' 60th anniversary celebration.

Early space pioneer Harry Goett dies at 89

Harry J. Goett, an early pioneer in America's first missions into space whose career covered three eras of flight: propeller, jet and space, died Jan. 6, 2000 at Stanford University Hospital in Palo Alto. He was 89.

Harry J. Goett

Goett served as chief of the full-scale and flight research division at Ames from 1948 to 1959. At Ames, Goett administered and directed the overall research and study of activities connected with the complex aerodynamic problems encountered by aircraft and spacecraft while navigating the upper atmosphere. Goett often said that this was the most enjoyable period of his life, both professionally and personally.

"Dr. Harry Goett was one of the great technical leaders of our times," said Dr. Stanley F. Schmidt, an early researcher at Ames and former chief of the dynamics analysis branch in the 1950s under Dr. Goett. "He had a unique ability to quickly get to the point and direct complex programs even when they were not in his field. He was also a very great family man and a wonderful friend for nearly 50 years," Schmidt said.

"During Ames' first two decades, four men were at the center of Ames' organizational culture: Smith J. DeFrance, Jack Parsons, Harvey Allen and Harry Goett," said Jack Boyd, executive assistant to the Center Director. "He championed applied research and encouraged his staff to envision new opportunities for basic research. He was tough, soft spoken and pragmatic."

At Ames, Goett also was involved in research on automatic stabilization, control and guidance, problems of re-entry heating and low density and other engineering factors affecting flight. He was associated with the technical and administrative supervision of research in aerodynamic and engineering problems encountered in flight beginning in 1936, when he joined the National Advisory Committee for Aeronautics, (NASA's predecessor) Langley Aeronautical Laboratory in Virginia as a project engineer.

In 1958, NACA became the National Aeronautics and Space Administration (NASA). Initially, Goett chaired the NASA committee (known as the Goett Committee) that developed the Agency's early space research. Included in the committee's discussions were the national booster program, planning for the man-in-space effort and work on space and re-entry flight research. The Goett committee established a Moon landing and return as NASA's major long-range manned space flight goal. As Goett later remarked, "A primary reason for this choice was the fact that it represented a truly end objective which was self-justifying and did not have to be supported on the basis that it led to a subsequent, more useful end."

Goett served as the first director of NASA Goddard Space Flight Center, Greenbelt, MD, from 1959 to 1965. During his tenure at Goddard, which managed most of NASA's early Earth-orbiting satellite missions, some 35 Goddard satellite projects, carrying more than 100 scientific instruments, were successfully placed into orbit.

In 1965, Goett resigned from NASA and accepted a position as the chief engineer at Ford Aerospace (later Loral). He returned to the San Francisco Bay Area and purchased a home in Los Altos Hills. He played a central role in the development of Ford Aerospace's communication satellite program and traveled extensively throughout the world as the company built satellites for clients in foreign countries. He retired from Ford Aerospace in 1975 and served as a consultant for nearly 15 years to various clients in Europe and Latin America.

Goett was born on Nov. 14, 1910, in the Bronx, New York. He grew up in a German/American neighborhood where most of his close relatives also lived. His family owned a business that made wood products. His father died when he was 12 and as the oldest male in the household, Goett assumed the responsibility of helping his mother raise his two younger brothers. Goett obtained his B.S. degree in physics at Holy Cross College, Worchester, Mass., in 1931 and an additional degree in aeronautical engineering at New York University in 1933.

In addition to Barbara, his wife of 58 years, Goett is survived by four children, Harry Jr., Andrew, Ann and Lisa; two daughters-in-law, Angelica and Cathy; 11 grandchildren and one great grandchild.

A vigil service was held Jan. 9, 2000 at Spangler Mortuary, Los Altos and a funeral mass was held Jan. 10, 2000 at St. Nicholas Church, Los Altos. Remembrances may be made to his alma mater, Holly Cross College, Worchester, Mass.

BY MICHAEL MEWHINNEY

Editor's Note:

The Astrogram offers sincere apologies to the families and friends of both Harry Goett and Bill Harper for printing an incorrect photograph in the Jan 24 issue of the Astrogram.

As a tribute to Mr. Goett, the article is reprinted here in its entirety with the correct photograph.

Calendar

Model HO/HOn3 Railroad Train Club at Moffett Field invites train buffs to visit & join the club in Bldg. 126, across from the south end of Hangar One. The club is in particular need of low voltage electricians & scenery builders and maintainers. Work nights are usually on Friday nights from 7:30 p.m. to 9:30 p.m. Play time is Sunday from 2 p.m. to 4 p.m. For more info, call John Donovan at (408) 735-4954 (W) or (408) 281-2899 (H).

Jetstream Toastmasters, Mondays, 12 noon to 1 p.m., N-269/Rm. 179. Guests welcome. POC: Samson Cheung 4-2875 or Lich Tran 4-5997.

Ames Ballroom Dance Club, Tuesdays: Two Step (started 1/18), West Coast Swing 1/25, 2/1, 2/8, Waltz 2/15, 2/22, 2/29. 3 levels of classes, from Beg. to Int., 5:15 - 6:45 p.m. Moffett Training & Conference Center, Bldg. 3/Showroom. Women dancers are especially encouraged to join. POC: Helen Hwang, hwang@dm1.arc.nasa.gov.

Ames Child Care Center Board of Directors Mtg, Wednesdays, 12 noon to 1 p.m., N-213/Rm. 204. POC: Debbie Wood at ext. 4-0256.

Ames Sailing Club Mtg, Feb 10, 11:30 a.m. to 1 p.m., N-262/Rm. 100. POC: Stan Phillips, ext. 4-3530.

Professional Administrative Council (PAC) Mtg., Feb 10, 10:30 -11:30 a.m., Bldg. 210, Rm. 115. POC: Leslie Jacob, ext. 4-5059.

NFFE Local 997 Union General Mtg, Feb 16, noon to 1 p.m., Bldg. 19/Rm. 2017. Guests welcome. POC: Marianne Mosher at ext. 4-4055.

Ames Amateur Radio Club, Feb 17, 12 noon, N-260/Conf. Rm. POC: Mike Herrick, K6EAA at ext. 4-5477.

Ames Asian American Pacific Islander Advisory Group Mtg, Feb 17, 11:30 a.m. to 1 p.m., N-241/Rm. B2. POC: Daryl Wong, ext. 4-6889 or Brett Vu, ext. 4-0911.

Native American Advisory Committee Mtg, Feb 22, 12 noon to 1 p.m., Ames Café. POC: Mike Liu at ext. 4-1132.

Ames Contractor Council Mtg, Mar 1, 11 a.m., N-200 Comm. Rm. POC: Jack Stanley at ext. 4-2345.

Environmental, Health and Safety Monthly Information Forum, Mar 2, 8:30 a.m. to 9:30 a.m., Bldg. 19/Rm 1078. POC: Linda Vrabel at ext. 4-0924.

Hispanic Advisory Committee for Employees, Mar 2, 11:45 a.m. to 12:30 p.m., N-241/Rm 237. POC: Mary R. Valdez, at ext. 4-5819.

Ames African American Advisory Group Mtg, Mar 2, 11:30 a.m. to 12:30 p.m. POC: Robert Finnie at ext. 4-5230. Contact Robert for meeting place.

Nat'l Association of Retired Federal Employees, San Jose Chapter #50, Mtg, Mar 3, at the Elk's Club, 44 W. Alma Avenue, San Jose. Social hour: 10:30 a.m. Prog. & bus. mtg. follow lunch at 11:30 a.m. POCs: Mr. Rod Peery, Pres., (650) 967-9418 or NARFE 1-800-627-3394.

Ames Classifieds

Ads for the next issue should be sent to *astrogram@mail.arc.nasa.gov* by the Monday following publication of the present issue and must be resubmitted for each issue. Ads must involve personal needs or items; (no commercial/third-party ads) and will run on space-available basis only. First-time ads are given priority. Ads must include home phone numbers; Ames extensions and email addresses will be accepted for carpool and lost & found ads only. Due to the volume of material received, we are unable to verify the accuracy of the statements made in the ads.

Housing

Room for rent in house in midtown Palo Alto. Kitchen, bathroom & pool privileges. Tenant must be orderly, N/S. $600/mo. Dr. Jim Stevenson, ext. 4-5720.

Share 2bd/1ba Menlo Park house with owner. Clean, quiet, pleasant house with hardwood floors, fireplace, new kitchen and large private yard with many trees. Room is 12' x 14'. $750 + half utils. N/S only. Jim (650) 323-4030.

For sale by owner: $529K, small horse ranch near Watsonville. Royal oaks, California/scenic area. 3 acres w/trees & lots of open space. 3 bd/2 ba home/family rm w/fireplace. Front/rear decks w/hot tub rm. 2 car garage w/laundry rm & storage rm. Barn, tack rm, corrals, workshop/electricity. Property fenced & outside lighting. Ron (408) 736-2150. Lv msg or call (831) 722-0130.

N/S, M/F prof'l to share 2bd/1ba house in south San Jose. Easy access to H85/87. Rent is $600/mo, $500 dep, plus 1/2 utils. Call (408) 229-9634.

Live-in Helper for elderly person; will pay rent. Ames full-time CS employee needs place to stay for 6 months to a year. Maybe longer depending on arrangement. Call (408) 371-9680 and leave message with phone number or call after 6 p.m. Can discuss over phone or in person. Prefer location very close to ARC.

Miscellaneous

Sony Playstation w/9 games, memory card, 3 controllers $250. Nintendo 64 w/3 games, rumble pack, 2 controllers $200. Call (408) 260-1180 betw. 4 -9 p.m.

Nordic Track Pro, good shape, $100. Will deliver in Bay Area. (510) 683-8543.

Cuisinart Mini-Prep processor, like new, excellent condition, extra bowl, instructions w/recipes included, $20. Braun handblender, good condition, works great, wall mounting rack, beaker, instructions w/recipes included, $10. Kevin (408) 249-0265 after 5:00 p.m.

Optical Table – Newport Research Grade with tuned damping. M-RS-1000-36-8 is 3 ft. x 6 ft. and 8 in. thick with 25mm grid sealed holes. Also, 4 Pneumatic Isolators I-2000 Stabilizers, 28 in height $4,000 set. Bill at email: hagenau@flash.net

24x ACER EIDE CD Rom w/cables and manual, $25. Call (408) 2950-2160.

Trimax exercise equipment, $105; wood coffee table 4'x4' w/double pane glass top, $25; square wood dining room table w/two kane chairs, $150. (408) 777-8048.

Looking for small office refrigerator. Call (408) 286-2941.

Pool table, regulation size, but very heavy, over 400 lbs. Includes: balls, cues, etc., ok condition, no tears. $200, but also willing to donate to a youth group. Call (408) 774 9683.

Cable chains, never been used. Super Z ABS compatible; meets SAE "s" clearance requirements; SZ 327; fits over 20 tire sizes. $60. Call (650) 969-6942 after 6 p.m.

24 Rosenthal fine lead crystal from Germany (8 each champagne; 8 each white wine & 8 each red wine). Excellent condition. Retail $16 each but will accept best offer. Call (408) 371-9680 after 6 pm.

Krups Expresso machine & Sprint Samsung SCH 1900 cellular phone. Best offer. Call (409) 399-5689.

Transportation

'66 Mustang convertible, AT, 80K mls, new red seats, blk int, new ext. red, new battery. $6,000 or B/O. Call (415) 563-0520.

'95 Chevy Blazer 4x4 , LT,fully loaded.Must sell,assume loan. Bob (408) 736-4039.

'96 Ford Windstar GL 3.8L, green, auto, cruise, pb/ps, pw/pdl, AM-FM with tape and CD changer, privacy glass, luggage rack, new tires, 50K miles, great condition, asking $12,500 or B/O. Ralph (408) 730-4630.

'97 BMW 318TI 32K calif. roof, 1owner, xlnt cond, lthr, color is morea, auto trans. $19,500 or B/O. Call (408) 253-6128.

Vacation rental

Lake Tahoe-Squaw Valley twnhouse, 3bd/2ba, view of slopes, close to lifts. Wkend $470, midwk $175 night. Includes linens, firewood. Call (650) 968-4155 or email: DBMcKellar@aol.com

Spring fishing in Montana? 3 bd/2 ba "cabin" on 20 acres 22 mls from Livingston, 34 mls from Bozeman, 5 mls from Bridger Ski Mt. $1,500 per week. Mary (650) 961-9629 for availability.

Carpool

Carpool partners wanted to share driving & riding from San Francisco to Ames. Benny, ext. 4-5432 or email bcheung@mail.arc.nasa.gov.

Lost & Found

Moffett Field Lost and Found may be reached via ext. 4-5416 at any time. Residents and employees at Ames may also use Internet browser at: http://ccf.arc.nasa.gov/codejp/pages/lostFound.html to view a list of found property and obtain specific instructions for reporting lost or found property and how to recover found property. Call Moffett Field security police investigations section at ext. 4-1359 or email at: mfine@mail.arc.nasa.gov.

Ames radio info for employees

1700KHz AM radio--information radio announcements for Ames employees during emergencies.

Full-text journals available on the Web

The Ames Technical Library recently increased the number of full-text journals available from your office desktop to over 1,250 titles. Find these resources on the library homepage at: http://mainlib.arc.nasa.gov/. Click on "Library Collection" and select the appropriate database. Included within this list are over 1,000 full-text titles through Elsevier Science Direct, made possible by a collaboration with the NASA Unilibrary consortia. Seventy-nine additional titles were made available with the purchase of the OCLC Electronic Collections Online.

In addition, Current Contents, a current awareness database, can also be accessed via the Web. The sections included are: 1) agriculture, biology & environmental sciences; 2) life sciences; 3) physical, chemical & earth sciences; and 4) engineering, computing & technology.

Save the Date

Black History Month Luncheon
Date: February 29
Time: 11:30 to 1 p.m.
Place: Space Camp.
Sponsored by the African/American Advisory Group (AAAG), Equal Opportunity Office (EO), and the Multicultural Leadership Council (MLC). For tickets and information, call Robert Finnie, ext. 4-5230; Sheila Johnson, ext. 4-5054, or Christine Munroe, ext. 4-4695.

Ames hosts Home & Home event

Ames hosted the second in a series of NASA "Home & Home" visits this past December, for the aviation community to learn more about NASA aeronautics research. Senior representatives from manufacturing, airlines, airports, academia, aviation associations and government participated in the event.

photo by Tom Trower

Michael B. Mann, Deputy Associate Administrator, Office of Aero-Space Technology, NASA Headquarters, speaking at the Home & Home event in December.

In addition to providing a greater awareness of the scope, content and relevance of aeronautics research, these visits provide opportunities to obtain customer feedback and lay the groundwork for future partnerships. The Home & Home visits are theme based and consist of a series of presentations, facility tours and discussion sessions. The Ames visit focused on NASA's research efforts in aviation system capacity, aviation operations systems, information technology, and rotorcraft—all four programs led by Ames.

On the first day of the event, Home & Home participants attended a dedication ceremony and tour of FutureFlight Central, a new facility that will provide a vital research capability for simulating future airport operations and traffic management technologies. After the dedication, the participants boarded buses or took walking tours of Ames' aeronautics facilities.

Michael Mann, Deputy Associate Administrator of the Office of Aero-Space Technology, welcomed participants to the second day of the event. William Berry, the Ames deputy center director, gave an overview of the research for which Ames is responsible and how it relates to the Home & Home events. Dr. Victor Lebacqz, Director of the Aviation System Capacity Program and the Aviation Operations Systems Program provided overviews of NASA's research efforts in these areas. David Alfano, Deputy Manager of the Information Technology Program, described IT research efforts relating to aviation. The final presentation, on rotorcraft research, was given by Edwin Aiken, Chief of the Army/NASA rotorcraft division.

During the afternoon, participants had an opportunity to attend discussion sessions based on the themes. The sessions went into more depth than the morning presentations, and were led by principal investigators and technical experts. They covered the topics of: next generation capacity technologies; aviation human factors; information technologies for aviation; capacity: distributed air-round ATM; and improved capacity through vertical flight

Other Home & Home visits are currently being planned with William J. Hughes Technical Center, Boeing Phantom Works and United Airlines. NASA Glenn Research Center will host the next NASA site visit April 4-5, 2000. The visit series will conclude in the summer of 2000 with a final meeting in Washington D.C. to integrate the results and lessons learned.

Presentations and more information about the Home & Home Visit Series are available at http://www.aero-space.nasa.gov/home&home/

by Donna G. Roper, Langley Research Center and Angela Boyle, Caelum Research at ames

THE AMES Astrogram

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THE AMES Astrogram

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